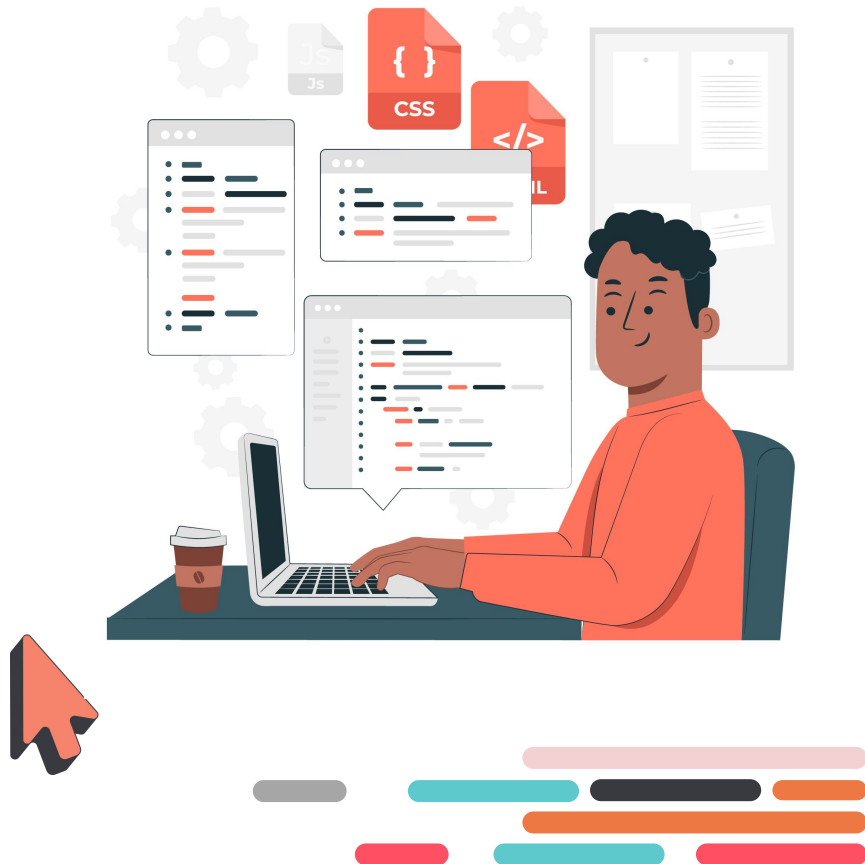




KEMNAKER



REST API dengan Raw MySQL





KEMNAKER

sanbercode



Outline

- Koneksi database dengan MySQL
- CRUD REST API
 - Create
 - Read
 - Update
 - Delete





KEMNAKER



Koneksi database dengan MySQL





KEMNAKER



Install package MySQL?

agar bisa mebuat koneksi database dengan MySQL hal pertama yang dilakukan adalah install pacakge MySQL terlebih dahulu <https://github.com/mysqljs/mysql>

package tersebut bisa dapat di-install menggunakan perintah
`npm install mysql`





KEMNAKER



Membuat Koneksi Database dengan MySQL

```
const mysql = require("mysql")

const connectionPool = mysql.createPool({
  host      : 'localhost',
  user      : 'root',
  password  : 'password',
  database  : 'db_movie'
});

connectionPool.getConnection(function(err) {
  if (err) {
    throw err
  }
});

module.exports = {
  connectionPool
}
```





KEMNAKER



Sesi Tanya Jawab





CRUD REST API





Struktur Folder Project

```
.
├── index.js
├── package.json
├── package-lock.json
├── .gitignore
├── node_modules
├── src
│   ├── config
│   │   └── database.js
│   ├── controllers
│   │   └── movieController.js
│   ├── routes
│   │   └── main.js
```





KEMNAKER



CREATE

```
let {title, year}= req.body
connectionPool.query(`INSERT INTO movies (title, year, created_at, updated_at) VALUES ('${title}',
${year}, NOW(), NOW())`,(err, data) => {
  if(err) {
    console.error(err);
    return;
  }

  res.json("movie was successfully created")
})
```





KEMNAKER



READ

```
connectionPool.query("SELECT * FROM movies", (err, data) => {  
  if (err) {  
    console.error(err);  
    return;  
  }  
  
  // rows fetch  
  let movies = data.map(el => {  
    let { id, title, year, created_at, updated_at } = el;  
    let movie = {}  
    movie.id = id;  
    movie.title = title;  
    movie.year = year;  
    movie.created_at = created_at;  
    movie.updated_at = updated_at;  
    return movie;  
  });  
  
  res.json(movies);  
});
```



KEMNAKER



UPDATE

```
let {title, year}= req.body
let {id}= req.params
connectionPool.query(`UPDATE movies SET title='${title}', year=${year},
updated_at=NOW() WHERE id=${id}`, (err, data) => {
  if(err) {
    console.error(err);
    return;
  }
  res.json("movie was successfully updated")
})
```





KEMNAKER



DELETE

```
let {id}= req.params
connectionPool.query(`DELETE FROM movies WHERE id=${id}`, (err, data) => {
  if(err) {
    console.error(err);
    return;
  }
  res.json("movie was successfully deleted")
})
```





KEMNAKER

sanbercode



Kesimpulan

- Koneksi database dengan MySQL
- CRUD REST API
 - Create
 - Read
 - Update
 - Delete





Terima Kasih

